

IN THE CLAIMS

Claim 1-11 (Canceled).

12. (New) A cable bushing for a probe, having:

a cable;

a housing defining a first end including a step which extends radially inward, said cable extending through said housing;

a first sleeve, which engages around said cable and has a first section arranged inside of said housing, said first sleeve being held in said housing by said step, said first sleeve bearing against said cable in a seal-forming fashion;

sealing means provided between said step in said housing and said first sleeve;

a second sleeve arranged in said housing, said second sleeve having a first cylindrical section which engages closely around said cable, and a second section which adjoins an end of said first section which faces said step, said second sleeve bears on said first section of said first sleeve; and

an attachment element which acts directly or indirectly on said second sleeve which itself acts directly or indirectly on said first sleeve, wherein:

said step is a radially inwardly extending shoulder; and

said sealing means is provided by means of an inner edge of said shoulder onto which said first section of said first sleeve is pressed by means of said attachment element.

13. (New) The cable bushing as claimed in claim 12, further having:

a spring clamped by means of said attachment element, said spring exerting a force in the

direction facing said step on said first sleeve.

14. (New) The cable bushing as claimed in claim 13, further having:

an annular plate, wherein:

said spring bears on said annular plate which bears on said first sleeve.

15. (New) A cable bushing for a probe, having:

a cable;

a housing defining a first end including a step which extends radially inward, said cable extending through said housing;

a first sleeve, which engages around said cable and has a first section arranged inside of said housing, said first sleeve being held in said housing by said step, said first sleeve bearing against said cable in a seal-forming fashion;

sealing means provided between said step in said housing and said first sleeve;

a second sleeve arranged in said housing, said second sleeve having a first cylindrical section which engages closely around said cable, and a second section which adjoins an end of said first section which faces said step, said second sleeve bears on said first section of said first sleeve; and

an attachment element which acts directly or indirectly on said second sleeve which itself acts directly or indirectly on said first sleeve, wherein:

said first sleeve is composed of an elastomer;

said first section has a conical region;

said step has a conical inner casing surface whose diameter decreases in the direction of said first end; and

said first sleeve is pressed against said step by said attachment element in such a way that said conical region presses against said conical inner casing surface and said first sleeve bears in a seal forming fashion against said housing and said cable.

16. (New) A cable bushing for a probe, having:

a cable;

a housing defining a first end including a step which extends radially inward, said cable extending through said housing;

a first sleeve, which engages around said cable and has a first section arranged inside of said housing, said first sleeve being held in said housing by said step, said first sleeve bearing against said cable in a seal-forming fashion;

sealing means provided between said step in said housing and said first sleeve;

a second sleeve arranged in said housing, said second sleeve having a first cylindrical section which engages closely around said cable, and a second section which adjoins an end of said first section which faces said step, said second sleeve bears on said first section of said first sleeve; and

an attachment element which acts directly or indirectly on said second sleeve which itself acts directly or indirectly on said first sleeve, wherein:

said housing has a first part which surrounds said first end, and a second part which is screwed onto said first part in the direction facing said step; and

said attachment element is a radially inwardly extending step arranged in the interior of said second part, said radially inwardly extending step bearing on said second sleeve and presses said second sleeve in the direction facing said step as a result of said second part being screwed on.